Field Data Form: Road-Stream Crossing Inventory

Coordinator	Crossing ID#

Date:_____ **Stream/River:** _____ **Road:**_____ **Town:** _____

Location: _____**GPS Coordinates (lat/long):** _____

Observer:_____ **Phone #:** _____ **Email address:**_____

Photo IDs: _____

Road/Railway Characteristics

1. Number of Travel Lanes: ___ **Shoulder/ Breakdown lanes:** □ Yes □ No **Road Surface:** □ Paved □ Unpaved

2. Are any of the following conditions present that would significantly inhibit wildlife crossing over the road?

High traffic volume (> 50 cars per minute)	□ Yes	□ No
Steep embankments	□ Yes	□ No
Retaining walls	□ Yes	□ No
Jersey barriers	□ Yes	□ No
Fencing	□ Yes	□ No
Other (specify)		

Crossing/Stream Characteristics (during generally low-flow conditions)

3. Crossing Type: □ Ford □ Bridge □ Open Bottom Arch □ Single Culvert □ Multiple culverts (# of culverts)_____

4. Condition of culvert: □ Good □ Fair □ Collapsing □ Eroding □ Rusted through □ Broken

5. Does the stream at the crossing contain fish? □ Yes □ No □ Don't know

6. Is the stream flowing in the natural channel? □ Yes □ No

7. Flow conditions during the survey are:

□ unusually low □ typical low-flow □ average flow □ higher than average

8. Are any of the following problems present? (see attached glossary and illustrations)

Inlet drop (> 6")	□ Yes	□ No
Outlet drop (> 6")	□ Yes	□ No
Flow contraction	□ Yes	□ No

9. Tailwater armoring: □ Extensive □ Not Extensive □ None

10. Tailwater scour pool: □ Large □ Small □ None

11. Physical barriers to fish and wildlife passage: □ Permanent □ Temporary □ None

Describe any barriers:

12. Culvert Embedded? □ Not embedded □ Partially embedded □ Fully embedded < 1' □ Fully embedded > 1'

13. Crossing substrate: □ None □ Inappropriate (large rip rap, concrete) □ Contrasting □ Comparable

14. Water depth matches that of the stream? □ Yes (comparable) □ No (significantly different)

15. Water velocity matches that of the stream? □ Yes (comparable) □ No (significantly different)

16. Crossing span: □ Constricts channel □ Spans active channel □ Spans bankfull width □ Spans channel & banks

17. Minimum structure height at low water (from water level to the roof inside the structure) □ > 6 ft. □ 4-6 ft. □ < 4 ft.

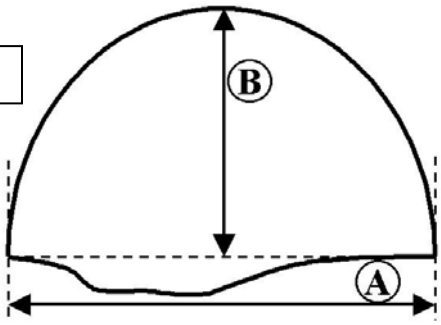
18. Comments_____

_____

_____

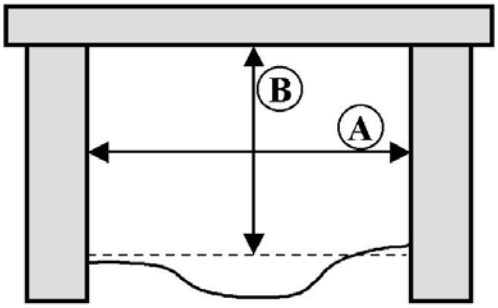
CROSSING DIMENSIONS

1.

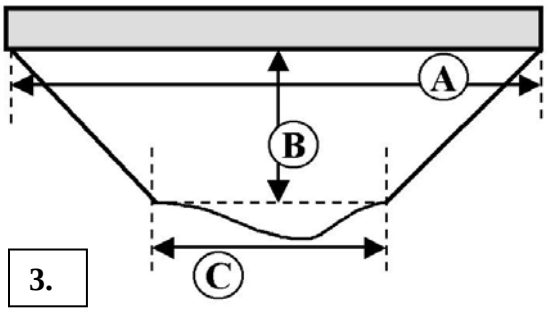


Open Bottom Arch

2.

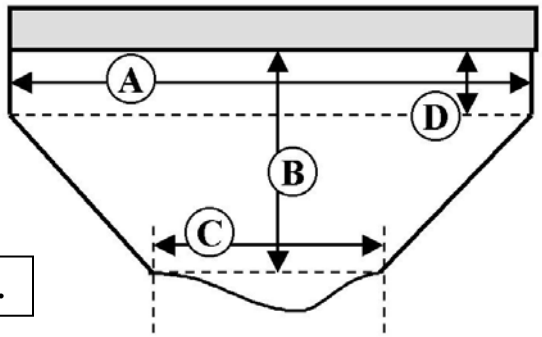


Bridge with Abutments



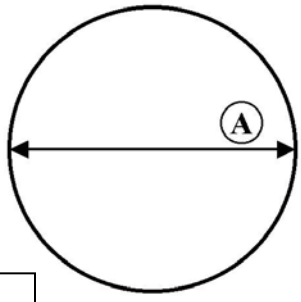
3.

Bridge with Side Slopes

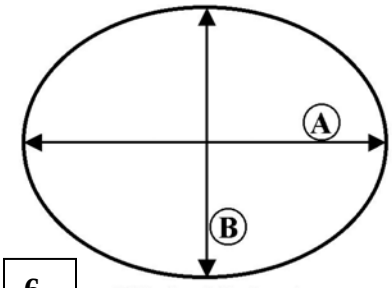


4.

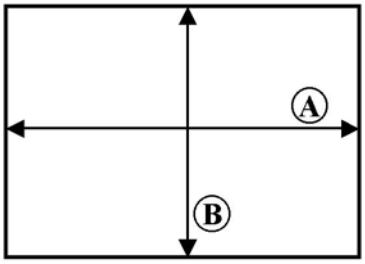
Bridge w/ Side Slopes & Abutments



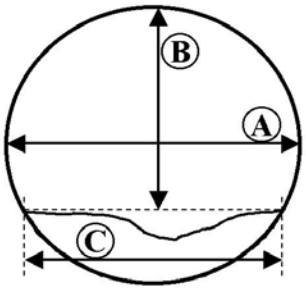
5. Round Culvert



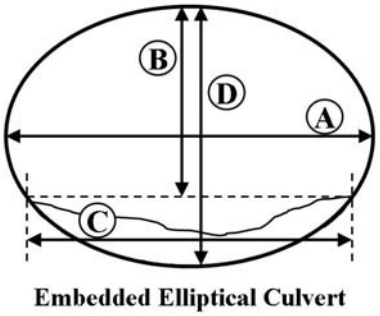
6. Elliptical Culvert



Box Culvert 7.



8. Embedded Round Culvert



Embedded Elliptical Culvert 9.

Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

DIMENSIONS WORKSHEET FOR MULTIPLE CULVERT CROSSINGS **Crossing ID# _____**

Note: *When inventorying multiple culverts, label left culvert 1 and go in increasing order from left to right from downstream end (outlet) looking upstream.*

Number of Culverts or Bridge Cells _____

Culvert or Bridge Cell 2 of _____

Crossing Type (from above): □ 1. □ 2. □ 3. □ 4. □ 5. □ 6. □ 7. □ 8. □ 9. □ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 3 of _____

Crossing Type (from above): □ 1. □ 2. □ 3. □ 4. □ 5. □ 6. □ 7. □ 8. □ 9. □ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 4 of _____

Crossing Type (from above): □ 1. □ 2. □ 3. □ 4. □ 5. □ 6. □ 7. □ 8. □ 9. □ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 5 of _____

Crossing Type (from above): □ 1. □ 2. □ 3. □ 4. □ 5. □ 6. □ 7. □ 8. □ 9. □ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 6 of _____

Crossing Type (from above): □ 1. □ 2. □ 3. □ 4. □ 5. □ 6. □ 7. □ 8. □ 9. □ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____